CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Adopt a resolution authorizing the non-competitive purchase of certain traffic safety equipment and software for the Police Department under two grants from the California State Office of Traffic Safety ($91,668.00) – (PD)

MEETING DATE: April 4, 2001

PREPARED BY: Jerry J. Adams; Chief of Police

RECOMMENDED ACTION: Adopt a resolution authorizing the non-competitive purchase of certain traffic safety equipment and software for the Police Department under two traffic safety initiative grants from the California State Office of Traffic Safety (OTS).

BACKGROUND INFORMATION: On November 15, 2000, the City Council adopted Resolutions 2000-199 and 2000-208 authorizing the Police Department to participate in two OTS grants for an automated collision records and analysis system and to develop a comprehensive traffic safety enforcement program. Collectively, these two large grants were awarded to the Police Department after a very competitive selection process.

After careful research, the department identified an automated collision records and analysis system by Crossroads Software of Brea, California, as a more comprehensive software package than those offered by other companies. Indeed, Crossroads Software has installed more than 75 similar systems in California under OTS grants. This resolution would authorize the purchase of the package from Crossroads for $39,792.75 under City Code Section 3.20.070 ("Bidding shall be dispensed with when... the City Council determines that the purchase or method of purchase would be in the best interests of the City") using OTS grant funding.

Additionally, the department seeks authorization for non-competitive purchase of the following traffic safety enforcement equipment, also under City Code Section 3.20.070. Four of the items are updated versions of equipment currently used by the department. Continuity with known equipment greatly reduces learning curves and affords greater confidence in equipment reliability. Item 5 would be new to the department. Attachment 1 provides detailed information regarding each of these items:

1.	1 ea Computerized Radar Trailer manufactured by Kustom Signals, Lenexa KS	$13,902.50
2.	1 ea DUI Checkpoint Trailer mfd. by MightyMover Trailers, Corona, CA	$23,897.91
3.	5 ea Alco Sensor IV (field sobriety test units) by Intoximeters, St. Louis, MO	$ 4,024.38
4.	4 ea Handheld Radar Units manufactured by Decatur Electronics, Decatur, IL	$ 5,542.50
5.	7 ea Passive Alcohol Sensor Systems by PAS International, Fredericksburg, VA	$ 4,507.96
	TOTAL (including Crossroads Software)	$91,668.00

FUNDING: Traffic Safety Initiative Grant (OTS) $279,200.00

Ruby R. Paiste for
Vicky McAthie, Finance Director

Jerry Adams
Jerry J. Adams, Chief of Police

APPROVED: Janet Katzakian for
H. Dixon Flynn -- City Manager

Attachment 1

Meeting Date: April 4, 2001

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Additional item information:

I. Crossroads Software Collision Database System:_See Attachment 2

II(1). Computerized Radar Trailer, manufactured by Kustom Signals, Lenexa, KS ($13,902.50)
This radar trailer may be located, unattended, in school zones, near street construction sites, and on neighborhood streets where compliance with speed laws may need special attention. The solar-powered 18" display advises motorists of their radar-monitored speed, and the red violator alert warns drivers of speeds in excess of posted limits. The trailer may be towed to the monitoring location where its display encourages voluntary compliance with speed laws.
www.kustomsignals.com

(2) DUI Checkpoint Trailer, manufactured by MightyMovers, Corona, CA ($23,897.91)
Fully equipped with a 7000-watt generator, high-intensity area lighting, checkpoint signs and sign storage, and an interior workbench and cabinets, this 18-foot trailer provides officers with on-site support at sobriety checkpoints. Similar units are currently in use in Vacaville, Suisun City, San Mateo, Belmont, West Sacramento and Citrus Heights.

(3) Alco Sensor IV field sobriety test unit (Qty 5) by Intoximeters, St. Louis, MO ($4,024.38)
These hand-held testing devices use fuel-cell technology to obtain high-accuracy breath alcohol measurements in the field. These units are included on the National Highway Traffic Safety Administration's list for evidential breath test devices. The department has used Alco Sensor III breath alcohol testers for a number of years with consistently reliable results.
www.intox.com

(4) Handheld Radar Units (Qty 4) by Decatur Electronics, Decatur, IL ($5,542.50)
These Genesis VP cordless radar guns would be issued to the four motorcycle officers to provide more versatile speed measurement capabilities. The cordless feature provides greater mobility, but the units are equipped with a communications port for attachment to laptop computers, displays, or in-car video systems if such data feeds are desirable. In addition, the unit can track either the vehicle returning the strongest signal, or the fastest moving target within a group.
www.decaturradar.com

(5) Passive Alcohol Sensor Systems (Qty 7) by PAS International, Fredericksburg, VA ($4,507.96)
The PAS-III system is a non-invasive passive alcohol screening instrument with a built-in high-intensity flashlight. The sensor samples exhaled air and registers estimated alcohol level in about 5 – 10 seconds, assisting the officer in formulating probable cause. The unit can also detect alcohol in vehicles. Since the detection device and flashlight are incorporated in one hand-held unit, the officer still has a free hand for safety.
www.sniffalcohol.com

Attachment 2

Meeting Date: April 4, 2001

Agenda Title: Adopt a resolution authorizing the non-competitive purchase of certain traffic safety equipment and software for the Police Department under a grant from the California State Office of Traffic Safety ($91,668.00) – (PD)

(attach a copy of the system features provided by Barry Dee)

Crossroads Software

210 W. Birch Street, Suite 207, Brea, CA 92821 (714) 990-6433

February 19, 2001

Lt. J.P. Badel
City of Lodi
Police Department
230 W. Elm Street
Lodi, California 95240

Dear Lt. Badel:

Thank you for your interest in the Crossroads Software Collision/Citation Database and Mapping System. This software application includes many unique capabilities and features not offered by other companies. The enclosed attachment summarizes the key features exclusive to the Crossroad System that are unavailable in competing systems. In addition, Crossroads has successfully completed more than 75 similar projects funded by the Office of Traffic Safety (OTS).

For these reasons we believe that Crossroads Software is uniquely qualified to meet the City's collision/citation database needs. We look forward to the opportunity to work with you and your staff in the coming months. If we can answer any questions about our software or any aspect of our proposal please don't hesitate to call.

Sincerely,

Barry Dee

Barry Dee
Crossroads Software

BD:et

Enclosures

Crossroads Software Collision Database System
Unique Features

1. The Collision Database System is based on a Street Layout Table. The Layout Table is a computerized "network model" of every street in the City that holds the name of each street, the name of each intersecting cross street, the distance and direction between all cross streets and the order that they cross. This structure allows the collision database system to perform many key functions that other systems cannot.

2. The street name and directional information for each collision record is automatically compared to the street layout table to verify and, when necessary, correct the street names and confirm that the indicated streets intersect. This allows for unparalleled accuracy in query results.

3. The Street Layout Table has universal application as the basis for all types engineering/resource management inventories such as Traffic Control Devices, Pavement and Signal Inventories, speed limit information and traffic volume data.

4. Collision file types including the California State Wide Integrated Traffic Reporting System (SWITRS) and custom file formats can be electronically "read" into the System while improving on the accuracy of the data provided from these sources through a series of automatic error checks.

5. Collision report information can be displayed automatically on a computerized GIS map of the City using the information that is always provided with each collision report; primary road name, secondary road name, distance and direction. No other system automatically geocodes individual collision locations using just these inputs readily available from every collision report.

6. GIS mapping provided with the project will be reviewed against the most up-to-date hard copy map available and edited accordingly so that collision records can be geographically referenced with the highest degree of accuracy.

7. There is no limit to the number of intersection or midblock locations that can be queried. Also no limits exist on the number of parties or victims in each collision record.

8. The system performs midblock queries for collisions by allowing the user to select a street and any two cross streets along that street.

9. The System provides the flexibility for the user to define 'intersection distance' parameters for queries and collision diagrams so that additional collisions can be identified as required to best depict collision patterns and trends.

10. A traffic counts database system is included with the package, which stores all types of traffic count information. The count data is also referenced to the Street Layout Table and is accessed by the Collision Database System to automatically calculate collision rates for both intersections and midblock locations. The system can also automatically produce a "traffic flow" map using ArcView.

11. The System provides a fully configurable data input module that allows the user to input all the information captured by the State of California Traffic Collision (555) report, the defacto standard reporting form for all public agencies in the State. When printed, the 555 form is replicated and can serve as the "hard copy" report that all agencies must forward to the California Highway Patrol. The data input module also can be configured to allow varying level of data input, so that the data stored can be matched to available staffing and resources.

12. A Traffic Citation database module is included with the package, which stores the necessary information to track and analyze police traffic enforcement activities, calculating enforcement indices as well as providing a full array of reports and statistics. The citation information can also be plotted automatically on the GIS map and cross-referenced against high collision locations to assist in deploying directed enforcement.

13. All prices include twelve hours of "hands-on" training (on-site), free upgrades for one year and unlimited phone support during Crossroads regular business hours.

RESOLUTION NO. 2001-83

A RESOLUTION OF THE LODI CITY COUNCIL AUTHORIZING THE NON-COMPETITIVE PURCHASE OF CERTAIN TRAFFIC SAFETY EQUIPMENT AND SOFTWARE FOR THE POLICE DEPARTMENT UNDER TWO TRAFFIC SAFETY INITIATIVE GRANTS FROM THE CALIFORNIA STATE OFFICE OF TRAFFIC SAFETY (OTS)

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WHEREAS, Lodi Municipal Code, §3.20.070, authorizes dispensing with bids for purchases of supplies, services or equipment when it is in the best interest of the City to do so; and

WHEREAS, on November 15, 2000, the Lodi City Council adopted Resolution No. 2000-199 and Resolution No. 2000-208, authorizing the Police Department to participate in two OTS grants for an automated collision records and analysis system and to develop a comprehensive traffic safety enforcement program; and

WHEREAS, these two grants were awarded to the Lodi Police Department; and

WHEREAS, after careful research, the Lodi Police Department has identified an automated collision records and analysis system by Crossroads Software, of Brea, California, as a more comprehensive software package than those offered by other companies, and

WHEREAS, staff seeks authorization for the non-competitive purchase of a software package from Crossroads Software in the amount of $39,792.75; and

WHEREAS, staff further seeks authorization for the non-competitive purchase of traffic safety enforcement equipment listed as follows in the amount of $51,875.25:

1.	1 ea Computerized Radar Trailer manufactured by Kustom Signals, Lenexa KS	$13,902.50
2.	1 ea DUI Checkpoint Trailer manufactured by MightyMover Trailers, Corona, CA	$23,897.91
3.	5 ea Alco Sensor IV (field sobriety test units) by Intoximeters, St. Louis, MO	$ 4,024.38
4.	4 ea Handheld Radar Units manufactured by Decatur Electronics, Decatur, IL	$ 5,542.50
5.	7 ea Passive Alcohol Sensor Systems by PAS International, Fredericksburg, VA	$ 4,507.96

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Lodi does hereby approve the non-competitive purchase of certain traffic safety equipment and software for the Lodi Police Department under two traffic safety initiative grants as mentioned above in the total amount of $91,668.00.

Dated: April 4, 2001

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I hereby certify that the foregoing is a true and correct copy of Resolution No. 2001-83, which was duly and regularly passed and adopted by the City Council of the City of Lodi in a regular meeting held April 4, 2001 by the following vote:

AYES: COUNCIL MEMBERS – Hitchcock, Land and Mayor Nakanishi

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – Howard and Pennino

ABSTAIN: COUNCIL MEMBERS – None

Susan J. Blackston

SUSAN J. BLACKSTON
City Clerk